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(22)Date of filing : 07.11.1994

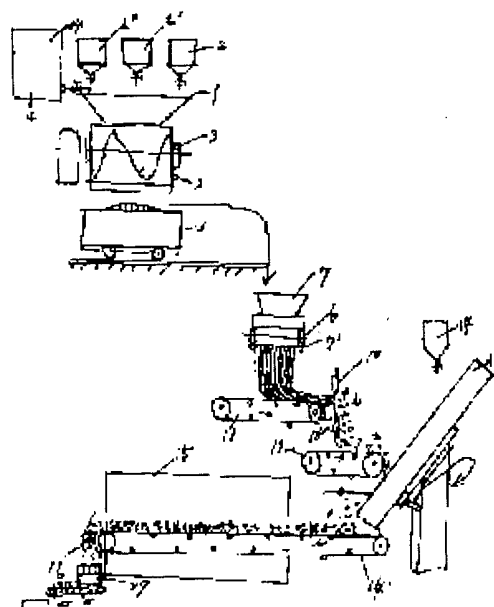
(72)Inventor : TANAKA HIDEAKI

## (54) DENSHICHI FLOUR PROCESSED HEALTH FOOD

## (57)Abstract:

PURPOSE: To provide a health food prepared mainly from DENSHICHI(R) ginseng powder by molding a mixture of DENSHICHI ginseng powder as a major ingredient, and other powders of, for example, 'TOCHUU' tea, pu ehr tea or SHINNYO(R) tea and water.

CONSTITUTION: The starting substances, DENSHICHI ginseng powder, a tea powder and other ingredients are charged from individual hoppers 2, 2', 2" into the hopper of the stirrer 1, the stirrer is driven, then a licorice solution, syrup, flavors, seasonings, inorganic salts and herbs are introduced from the hopper 4 into the hopper 1. They are thoroughly mixed and a bread dough-like product is placed in a cart vessel 5 and charged into the noodle roller and cut into chips. The noodles thus formed are placed on a belt conveyer 11 and guided to cutting machines 10, 10' and the cut chips are guided by a conveyer 12 to separate powder through the screen and separated chips after separating the powder are introduced into granulation drum 13 and made into balls by the rotation of this drum 13.



## LEGAL STATUS

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CLAIMS

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[Claim(s)]

the Tochucha which made Panax Notoginseng powder the subject like the afterwords publication, PUARU tea, a \*\*\*\* tea powder, the Gymnema tea powder, Panax Notoginseng powdered tea, a flax CHAZURU tea powder, carrot alcoholic filter cake powder, starch, mannan powder, pueraria root sugar, grape sugar, fruit sugar, \*\*\*\*\*, an organic acid, an amine acid, mineral salt, chitosan, AMAMO, Ganoderma, and \*\*\*\*\* -- water -- mixing -- warming -- the \*\*\*\* Panax Notoginseng workpiece which carried out the mastication, carried out grain processing made from rolling cutting, and carried out molding processing in ordinary temperature

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[Translation done.]

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## DETAILED DESCRIPTION

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### [Detailed Description of the Invention]

Although cultivation of Panax Notoginseng or a naturalized citizen from Korea 3 was made as high [ medicine efficiency ] as the thing of long-term cultivation like an average of six years, this invention Since there is also much heavy metal in soil and the content of agricultural chemicals also increases proportionally, this is prevented. As an extender which gives the same medicine efficiency, Tochucha powder, a \*\*\*\* tea powder, the Gymnema tea powder, A PUARU tea powder, the Panax Notoginseng tea powder, a flax CHAZURU tea powder, licorice water pollen, carrot alcoholic filter cake powder, It mixes with water, the mastication of starch, grape sugar, fruit sugar, an organic acid, mineral salt powder, chitosan, wild rice powder, the Ganoderma powder, the \*\*\*\*, etc. is carried out, and the shape of the shape of granulation which imposed and carried out the grain made from rolling cutting to the \*\*\*\* machine and which was made to it, or a disk etc. is started at the \*\*\*\* Panax Notoginseng workpiece which carried out molding processing. It is said that common Panax Notoginseng powder falls the cholesterol in purification of blood, i.e., the blood sugar level, and blood, improves a liver obstacle, and has the carcinostatic effect. Moreover, there is the sterilization effect, and it is precious also as a prevention of tooth decay medicine, and is famous as Chinese Chinese medicine. There are some which contained many detrimental chromium, tin, lead, zinc, and cadmium among heavy metal by the place of production although it was useful as health food as that in which most heavy metal was contained by the seven-year solution when years are long although the thing of three years - a seven-year solution was generally used especially, there are many roots for years, arsenics other than heavy metal, a sulfide, and agricultural chemicals (D. D.T) were contained again, and the cure was desired. Therefore, although tried hard, in addition to vaporization of an active principle, there was no method of taking for which calcinates this Panax Notoginseng solution in a firing furnace, or performs alcoholic extraction, and detrimental agricultural chemicals are taken especially, contamination took place succeedingly in the soil used in the past, and development of the workpiece in the state where medicine efficiency is not lost by \*\*\*\* by other medicine material or food additives became pressing need. Moreover, the Panax Notoginseng powder independent required the improvement of good flavor that there is deep bitterness and it is hard to drink. Then, the Tochucha to which this application lowers the blood sugar level of blood, and the cholesterol in blood is made to fall, What carried out the pulverization of the \*\*\*\* of the thing, the wild rice, and Ganoderma which ground and carried out pulverization of Gymnema, \*\*\*\*\*, the Rhododendron root that lowers blood pressure, PUARU tea, and the green tea is mixed with the Panax Notoginseng powder. The molasses which makes this solidify, licorice liquid, \*\*\*\*, grape sugar, fruit sugar, starch, mannan arginine acid SODA, and amino acid mineral salt are added. The \*\*\*\* Panax Notoginseng workpiece which added and carried out the mastication of chitin chitosan liquid, licorice, van pomegranate \*\*\*\*\*, etc. and the hot water, carried out rolling cutting granulation processing and cast perfume, such as a menthonaphtene, the spice, etc. to this The characteristic \*\*\*\* Panax Notoginseng workpiece with which the amount of agricultural chemicals becomes below limiting value, and the amount of heavy metal is also adjusted within limiting value, and medicine efficiency is demonstrated enough is made. Especially, on the occasion of \*\*\*\* operation of a nighttime work, it is

effective as \*\*\*\*\*, and \*\*\*\* gets drunk and it is effective as \*\*. Moreover, to the nighttime work of works, accident is lessened, the accuracy and fatigue of inspection are recovered, prevention of tooth decay improves circulation, there are those [ no ] who take a holiday since health is maintained by purification of blood, and the industrial effect is high. Especially the thing that mixed Ganoderma and wild-rice powder has cancer-inhibition nature, and blood pressure is fallen with combination with other Chinese medicine, and the additive of the Panax Notoginseng pollen, rapeseed pollen, and ROYARO jelly has the effect which suppresses excitement of the nerve by Panax Notoginseng in the Panax Notoginseng powder, and addition of the tungstate of the Panax Notoginseng mineral salt, calcium, magnesium, and silic-acid colloid obtains the result which heightens the carcinostatic effect further. The Gymnema tea containing Panax Notoginseng is effective in making what there is an advantage which holds the duration for a long time while returning the blood sugar level normally, and was performing the number of times of dialysis of blood twice per week decrease to 1 time per week, or 1 time for 15 days. It will be as following if a drawing explains the operating procedure of this invention.

[Drawing 1] Process drawing of \*\* and \*\*\*\* processing is shown, supply the Panax Notoginseng powder of each raw material, a tea powder, and others to the hopper of an agitator (1) from a hopper (2) (2') (2''), and an agitator (3) is rotated. Next, from a hopper (4), may introduce licorice liquid, honeydew, perfume, a seasoning, mineral salt, and Chinese medicine into a hopper (1) as a distributed solution, and it mixes with them. What was made into the shape of a pan is put into the container of a truck (5), and it supplies to the hopper (7) of a noodle-making machine (6), hangs on a noodle-making roll (9), and cuts in the shape of a chip. Noodle making is loaded into a band conveyor (11), is guided, guides by conveyer (12) what was cut by the cutting (10) (10') machine, introduces into a granulating-machine drum (13) the split of the rose rose which separated powder with the screen, and presupposes that it is spherical by rotation of this drum (13). A hopper (14) is a thing containing glycocaryx liquid, and is used if needed. Weighing capacity of what it was sent to the dryer (15) by conveyer (14), and was dried is carried out with a weighing capacity machine (16), and a plastics bottle or a bag is filled up with the Panax Notoginseng processing grain by which the granulation was carried out on this drum (13) with a restoration machine (17), and it makes a label rival by \*\*\*\*, and packs and ships it by the packer. Molding processing of the disk-like molding is carried out by the general method.

[Drawing 2] The front view of a \*\*\*\*\* Panax Notoginseng workpiece is shown.

[Drawing 3] It is A-B cutting drawing of longitudinal section of \*\* and a granulation Panax Notoginseng workpiece.

[Drawing 4] It is the front view of the tablet of \*\* and a granulation Panax Notoginseng workpiece. It is as following when the example of combination of this \*\*\*\* Panax Notoginseng workpiece is shown.

[Example 1] For blood purification The Panax Notoginseng powder (six-year solution) The 100 sections Tochucha powder or the Coix lacryma-joli tea powder The 100 sections Licorice van pomegranate boiling liquid The 200 sections 2% of chitosan lactic-acid liquid The two sections Starch The 1.2 sections Chitosan collagen powder The five sections [Example 2] For circulation The Panax Notoginseng powder The 100 sections The Gymnema tea powder The 100 sections Tochucha powder The 100 sections Molasses liquid The ten sections [Example 3] A liver obstacle, the stomach and intestines, for \*\*\*\* The Panax Notoginseng powder The 70 sections A \*\*\*\* tea powder or a PUARU tea powder Panax Notoginseng flower tea powder The 100 sections Yellow HADA The 40 sections Licorice liquid-sugar dense grape sugar The five sections Starch or sodium alginate The 1.3 sections [Example 4] For cure for drowsiness The Panax Notoginseng powder The 100 sections A chitosan lactic-acid paste The 30 sections Menthonaphtene menthol The 0.1 sections Licorice grape-sugar mixed liquor The 200 sections The Panax Notoginseng tea powder flax CHAZURU tea powder The 30 sections PUARU tea powder Tochucha powder The 70 sections Arginine acid SODA The one section Amino acid collagen powder The 0.1 sections [Example 5] For nighttime works The Panax Notoginseng powder The 100 sections Tochucha tea powder The 100 sections Organic acids, such as chitosan The 50 sections Starch The five sections Licorice amino acid spice (menthonaphtene) The 100 sections Vitamin molasses or a starch mannan The three sections Menthol The 0.1 sections Instant coffee powder The zero to 10 section

[Example 6] The painkiller for cancers The Panax Notoginseng powder The 100 sections Licorice \*\*\*\* The 50 sections The Eucommia ulmoides tea powder \*\*\*\* tea powder The ten sections \*\*\*\* The five sections van pomegranate liquid The 60 sections The 0.1 to tungstate 10 section Molasses or grape sugar The ten sections Chitosan organic-acid \*\*\*\*\* tannin liquid or yellow HADA The three sections [Example 7] For stomachic intestines (granulatio-like vacuum seal)

The Panax Notoginseng powder The 20 sections Dryness fresh milk acid (Bacillus) bacillus powder The 100 sections A chitosan \*\*\*\* granulatio flax CHAZURU tea powder Panax Notoginseng tea powder The ten sections A calcium carbonate (coral reef fossil) The 30 sections Grape-sugar pueraria root sugar The ten sections Spice amine acid The 1 section alcoholic filter cake carrot powder 20 section Chrysanthemum powder The one section [Example 8] For cancer inhibition The Panax Notoginseng powder The 100 sections Wild rice powder The 100 sections The Gymnema tea powder or a Tochucha PUARU tea powder The 100 sections Fruits enzyme powder The one section Licorice liquid van pomegranate liquid The 300 sections starch mannan chitosan The ten sections Tungstate The five sections Arginine acid SODA liquid The ten sections [Example 9] For cancer inhibition The Panax Notoginseng powder The 100 sections A Tochucha powder PUARU tea powder The 150 sections a bear -- bamboo grass (180 degree-C heating extract of \*\*\*\*) -- The 100 sections Licorice liquid grape-sugar liquid The 100 sections Tungstate molybdate The 0.1 to 10 section Amino acid spice The three sections Monochrome police liquid The ten sections [Example 10] A blood purification agent The Panax Notoginseng powder The 100 sections Rhododendron powder The ten sections \*\*\*\*\* Tochucha powder The 50 sections The Panax Notoginseng flower tea powder The 20 sections Flower arrangement powder The one section The licorice powder van pomegranate \*\*\*\* 120 section Vitamin-E DCBB2B6 The 0.02 sections A acetic acid and 3% of chitosan liquid 1 section pueraria root sugar starch spice amino acid The five sections Arginine acid sorter The one section [Example 10] It is \*\*\*\*\* which it is effective to the man of the cancer of \*\* and high blood pressure, and improves circulation. Although Rhododendron pollen generally serves as a blood-pressure fall agent, since toxin exists, the pollen which uses, using together with Rhododendron root powder is effective as a tranquilizer, and has depressor effect to the Panax Notoginseng overpowder recipe.

[Example 1]

[Example 2] As \*\* and an object for blood purification, there is an effect fallen and normalized, to the black shape of spherical or a disk, molding processing is carried out and blood sugar level malignant cholesterol is marketed. This etc. is above-mentioned [Drawing 1] . It is processed according to \*\*\*\*\* . One grain is 0.5-1g. When carrying out three-grain ter-in-die recipe of this once, blood will be normalized in 20 - 30 days. Moreover, the heavy metal of the Panax Notoginseng powder is low-quantified by Tochucha powder or other tea powders, and the few PUARU tea and few Tochucha of agricultural-chemicals use are effective in making agricultural-chemicals concentration reduce.

[Example 3] The component table of \*\*\*\*\* is as following.

沙仁	2 5 0 0 g	山溶叶	3 0 0 0 g
甘草	3 5 0 0 g	蛋休	5 0 0 g
金银花	1 0 0 0 g	罗汉果	2 0 0 g
白兰花	2 0 0 0 g	佛手	1 0 0 0 g
茉莉花	8 0 0 0 g	菊花	4 0 0 0 g
杏仁	1 0 0 0 g	庵姐	1 0 0 0 g
绞股蓝	1 5 0 0 g	参叶	2 3 0 0 g
波叶	5 0 0 g	米兰花	5 0 0 0 g
		天花粉	1 0 0 0 g

The fine particles of 300-700 meshes which printed, crushed and carried out pulverization of this Chinese medicine with the stone mill are made, and this is mixed. PUARU tea is what was cast as 0.2g per grain which used the thing from China Yunnan, the decrease effect-of-fertilizer malleolus taken on 6-8 days show 1-3kg loss in quantity by recipe for three months, there is an effect also in a gastric ulcer, and there is an effect also in liver.

[Example 4] \*\*, an automobile operator, the man of night work, and \*\*\*\*\* -- it is effective as better although general cure for drowsiness has a menthol menthonaphtene, chewing gum, and paint like MENSORETAMU, and this etc. does not serve as enough alarm clocks, durability becomes high, when an effect is demonstrated in about 10 minutes, durability repeats a dovetail and this and an effect drinks the thing of this method by 3g for about 5 hours

[Example 5] When drinking \*\* and the coffee liquid which threw in 3g of Panax Notoginseng powder in the coffee milky lotion and the sweetener as deformation, it becomes cure for drowsiness similarly. If the Benz aldehyde in 1g cinnamon powder or the 0.1g real powder of a plum seed is added to this in order to decompose alcohol, although sleepiness will awake in about 15 minutes, if six grains of about 3g is taken, decomposition will become \*\*\*\* early.

[Example 6] It is what was made to \*\* and cancer inhibition, and an effect is mainly in prevention of a prostate gland, the stomach and intestines, the pancreas, a kidney, and liver cancer. The feature has especially this effect as a painkiller, and an ache is mitigated by recipe for three months.

[Example 7] as \*\* and stomachic \*\*\*\* -- an effect -- a dovetail and [Example 8] It is effective as \*\* and an object for breast cancers, and when carrying out ter-in-die recipe of the 3g grain, an effect is demonstrated about from the 6th month.

[Example 9] Effectiveness bleeding stops to \*\* and Escherichia coli automatically well.

[Example 8]

[Example 9] It becomes more effective, when it is alike and a fruits enzyme is put in. moreover, the advantage which the person who took continuously for 40 to 60 years until it took [ in / the toxicity / there is an effect which is what that used for the extract to which this monochrome police did high-pressure processing of the cellula in alcohol, having diluted with water, is useful to the stability system of vitamin C, and makes addition of a vitamin easy, and ] 3g of tungstates every day and became 80 years old does not have toxicity, either, and is not in cancer an oak is proved Moreover, the few feature has change of blood pressure. Thus, although the feature of this invention needs to make components, such as this, decrease to fulfill the conditions outside regulation by pesticide pollution or the excess of heavy metal into the common Panax Notoginseng powder Generally in prolonged cultivation of six-year \*\*\*\* among soil, this thing [ restricting ] is difficult. a component with the feature which promotes circulation nature as a reducing-its weight method for this reason, and holds both cancer inhibition nature -- carrying out -- Tochucha -- It becomes possible to make loss in quantity of the amount of regulations promote as health food by adding enzyme tea powders, such as \*\*\*\*\*, PUARU tea, and the Gymnema tea. Are effective especially as a depurator of blood. Moreover, \*\*\*\*\* better \*\* of drinking or a night shift person, By considering as the Panax Notoginseng workpiece which suppresses the bitterness by increase in quantity since it is hard to drink the Panax Notoginseng powder which is useful to recovery from fatigue, and is useful to the safety operation of an automobile, and has the sterilization effect Since automobile operation and a nap of a night shift person are suppressed by recipe, the effect of especially becoming high and sweeping away the tiredness of the eye to production product inspection of a night shift person has the durability. Moreover, there is an advantage which does not produce the lack of sleep by superfluous recipe of the Panax Notoginseng powder, either, and in this case, the combined use with pollen or a royal jelly workpiece is useful to tranquilize-ization, and has the good-sleep-ized feature. Moreover, although the Panax Notoginseng powder itself has cancer inhibition nature, since an effect increases more by using together other tea powders, and \*\*\*\* high-pressure water treatment liquid and a tungstate, the Panax Notoginseng workpiece of future health food is useful invention on industry.

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[Translation done.]

☐ Generate Collection

L49: Entry 1 of 2

File: JPAB

May 28, 1996

PUB-NO: JP408131120A  
DOCUMENT-IDENTIFIER: JP 08131120 A  
TITLE: DENSHICHI FLOUR PROCESSED HEALTH FOOD

PUBN-DATE: May 28, 1996

## INVENTOR-INFORMATION:

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## ASSIGNEE-INFORMATION:

NAME

COUNTRY

TANAKA HIDEAKI

APPL-NO: JP06308057

APPL-DATE: November 7, 1994

INT-CL (IPC): A23 L 1/30; A61 K 35/78; A61 K 35/78; A61 K 35/78; A61 K 35/84

## ABSTRACT:

PURPOSE: To provide a health food prepared mainly from DENSHICHI(R) ginseng powder by molding a mixture of DENSHICHI ginseng powder as a major ingredient, and other powders of, for example, 'TOCHUU' tea, pu ehr tea or SHINNYO(R) tea and water.

CONSTITUTION: The starting substances, DENSHICHI ginseng powder, a tea powder and other ingredients are charged from individual hoppers 2, 2', 2" into the hopper of the stirrer 1, the stirrer is driven, then a licorice solution, syrup, flavors, seasonings, inorganic salts and herbs are introduced from the hopper 4 into the hopper 1. They are thoroughly mixed and a bread dough-like product is placed in a cart vessel 5 and charged into the noodle roller and cut into chips. The noodles thus formed are placed on a belt conveyer 11 and guided to cutting machines 10, 10' and the cut chips are guided by a conveyer 12 to separate powder through the screen and separated chips after separating the powder are introduced into granulation drum 13 and made into balls by the rotation of this drum 13.

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## End of Result Set

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L44: Entry 21 of 21

File: DWPI

May 28, 1996

DERWENT-ACC-NO: 1996-303803

DERWENT-WEEK: 199631

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TITLE: Foods for preventing liver disorders and cancer treatment - prepd. by kneading mixts. of pulverised analogue of Panax ginseng, tea of Eucommia ulmoides and alcohol extract of panax ginseng and amino acid with water

PATENT-ASSIGNEE:

ASSIGNEE

CODE

TANAKA H

TANAI

PRIORITY-DATA: 1994JP-0308057 (November 7, 1994)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 08131120 A	May 28, 1996		006	A23L001/30

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP08131120A	November 7, 1994	1994JP-0308057	

INT-CL (IPC): A23 L 1/30; A61 K 35/78; A61 K 35/84

ABSTRACTED-PUB-NO: JP08131120A

BASIC-ABSTRACT:

Foods contg. an analogue of Panax ginseng are prepd. by kneading mixts. of pulverised analogue of Panax ginseng, tea of Eucommia ulmoides, puar (sic), shin'nyo (sic) and Gymnema slyvestre and Gynostemma pentaphyllum, alcohol extract of Panax ginseng, starch, mannan, root of Pueraria lobata, glycose, fructose, roots of Beta vulgaris, organic and inorganic acids, amino acid, chitosan, Zodtera marina, Ganoderma lucidum, and powder of fungi with water and moulding.

USE/ADVANTAGE - Used for health maintenance. Combinations of crude folk drugs provide a variety of effects, including cleaning of blood, stimulation of blood stream, prevention of sleepiness, liver disorders and cancer treatment.

In an example, a mixt. of 100 pts. each of pulverised analogue of Panax ginseng and tea of Eucommia ulmoides or Coix lachrymajobi, 200 pts. extract of Glycyrrhiza glabra, 2 pts. 2 % chitosan lactic acid soln., 1.2 pts. starch and 5 pts. chitosan collagen powder is used to prepare tablets.

CHOSEN-DRAWING: Dwg.0/1

TITLE-TERMS: FOOD PREVENT LIVER DISORDER CANCER TREAT PREPARATION KNEAD MIXTURE PULVERISE ANALOGUE PANAX GINSENG TEA EUCOMMIA ALCOHOL EXTRACT PANAX GINSENG AMINO ACID WATER

DERWENT-CLASS: B04 D13

CPI-CODES: B04-A10; B14-E11; D03-H01T;



CHEMICAL-CODES:

Chemical Indexing M1 \*01\*

Fragmentation Code

M423 M431 M782 M903 P633 P721 Q211 Q220 V400 V406

V500 V550 V735

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1996-096503

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A 2 3 L 1/30	B			
A 6 1 K 35/78	ABN R	8217-4C		
	ACS	8217-4C		
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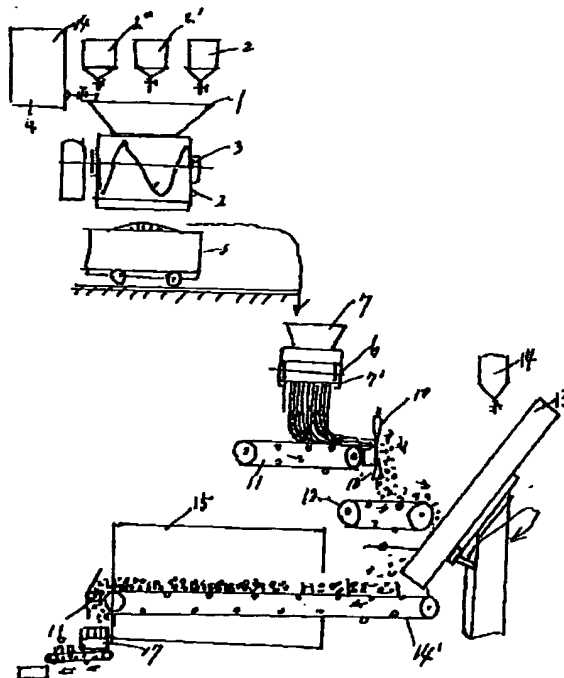
大阪府豊中市宝山町19番8号

(54) 【発明の名称】 健食田七加工品

(57) 【要約】 (修正有)

【目的】 田七粉を主体とした杜中茶、プアール茶、神女茶粉等を水と混合して成型加工した健食田七加工品の提供。

【構成】 ホッパー2, 2', 2'' から各原料の田七粉、茶粉、その他を攪拌機1のホッパーに投入し、攪拌機3を回転して、次に甘草液、糖液、香料、調味料、無機塩、漢方薬をホッパー4から分散溶解液としてホッパー1に導入して良く混和し、パン状にしたものをトロコ5の容器に入れて製麺機6のホッパー7に投入して、製麺ロール9に掛けてチップ状にカッティングする。製麺は、ベルトコンベアー11に積載して誘導し、カッティング10, 10' マシンで切断したものをコンベアー12によって誘導し、スクリーンによって粉末を分離したバラバラの細片を造粒機ドラム13に導入し、このドラム13の回転によって球状とする。



## 【特許請求の範囲】

後文記載の如く、田七粉を主体とした杜中茶、プアール茶、神女茶粉、ギムネマ茶粉、田七粉茶、アマチャズル茶粉、人参アルコール抽出粕粉、澱粉、マンナン粉、カッコン糖、ブドウ糖、果糖、甜葉糖根、有機酸、アミノ酸、無機塩、キトサン、アマモ、霊芝、茸粉等を水と混合して加温素練りして、常温で圧延切断製粒加工して成型加工した健食田七加工品。

## 【発明の詳細な説明】

この発明は、田七や高麗人参の栽培が平均6年の様な長期栽培のもの程薬効性が高いとされていたが、土壤中の重金属も多く農薬のコンテントも比例して多くなるので、これを防ぎ、同一薬効性を与える増量材として杜中茶粉、神女茶粉、ギムネマ茶粉、プアール茶粉、田七茶粉、アマチャズル茶粉、甘草水花粉、人参アルコール抽出粕粉、澱粉、ブドウ糖、果糖、有機酸、無機塩粉、キトサン、マコモ粉、霊芝粉、茸粉等を水と混合して素練りし、製粒機に掛けて圧延切断製粒して作った顆粒状や円盤状等に成型加工した健食田七加工品にかかるものである。一般田七粉は、血液の浄化、即ち血糖値、血液中のコレステロールを低下し、肝臓障害を改善し、制癌効果もあるといわれている。又、殺菌効果もあり虫歯予防薬としても貴重であり、中国の漢方薬として有名である。特に3年～7年根のものが一般に使われているが、年数が長い7年根では重金属の最も多く含まれたものとして健康食品として有用であるが、産地によって重金属中有害なクロム、錫、鉛、亜鉛、カドミウムを多く含んだものがあり又、重金属以外のヒ素や硫化物、農薬(D. D. T)が長年根程多く含まれ、その対策が望まれていた。従って、この田七根を焼成炉中で焼成したり、アルコール抽出を行ったりして特に、有害な農薬を取る努力したが有効成分の揮散以外には取るべき方法がなく、過去に使われていた土壤に於いては汚染が引続き起こり、他の薬材や食品添加物による増害によって薬効性が失われない状態での加工品の開発が急務となった。又、田七粉単独では深い苦味があり飲みにくく良い風味の改善が要求されていた。そこで本願は、血液の血糖値を下げ血液中のコレステロールを低下せしめる杜中茶、ギムネマ、神女茶、血圧を下げるシャクナゲ花根、プアール茶、緑茶を粉碎して微粉化したものや、マコモや霊芝の茸粉を粉末化したものを田七粉と混合して、これを固化せしめる糖蜜、甘草液、天甜、ブドウ糖、果糖、澱粉、マンナンアルギニン酸ソーダー、アミノ酸無機塩を添加して、これにメントール等の香料、香辛料等をキチンキトサン液や甘草、パンザクロ干実汁等と湯を添加して素練りし、圧延切断造粒加工して成型した健食田七加工品

田七粉(6年根)  
杜中茶粉又はハトムギ茶粉  
甘草パンザクロ煮沸液  
キトサン乳酸液2%

\*品は、農薬の量が制限値以下となり重金属量も制限値内で調整され且つ、薬効性が充分発揮される特徴のある健食田七加工品が出来る。特に、夜間作業の居眠運転に際して目覚薬として効果があり、酒酔の酔いざめとして効果がある。又、工場の夜間作業に対して、事故を少なくして検査の正確性と疲労度を回復し虫歯予防ともなり、血行を良くし、血液の浄化によって健康を保つので休業する人がなく、その産業的効果は高い。特に、霊芝、マコモ粉を混入したものは制癌性があり他の漢方薬との組合せによって血圧を低下し、且つ、田七粉に田七花粉やナタネ花粉、ローヤロゼリーの添加物は田七による神経の興奮を抑制する効果があり、田七無機塩のタングステン酸塩、カルシウム、マグネシウム、珪酸コロイドの添加は、制癌効果を更に高める結果を得る。田七の入ったギムネマ茶は、血糖値を平常に戻すと共にその持続を長く保持する利点があり、又、血液の透析回数を週2回行っていたものを週1回乃至、15日1回に減少せしめる効果がある。この発明の実施要領を図面によって説明すれば、次の如くである。

【図1】は、製粒加工の工程図を示し、ホッパー(2)(2')(2'')から各原料の田七粉、茶粉、その他を攪拌機(1)のホッパーに投入し、攪拌機(3)を回転して、次に甘草液、糖液、香料、調味料、無機塩、漢方薬をホッパー(4)から分散溶解液としてホッパー(1)に導入して良く混和し、パン状にしたものをトロッコ(5)の容器に入れて製麺機(6)のホッパー(7)に投入して、製麺ロール(9)に掛けてチップ状にカッティングする。製麺は、ベルトコンベアー(11)に積載して誘導し、カッティング(10)(10')マシンで切断したものをコンベアー(12)によって誘導し、スクリーンによって粉末を分離したバラバラの細片を造粒機ドラム(13)に導入し、このドラム(13)の回転によって球状とする。ホッパー(14)は糖皮液の入ったもので必要に応じて使用する。このドラム(13)で造粒された田七加工粒は、コンベアー(14)によって乾燥機(15)に送られて乾燥したものを秤量機(16)で秤量して、プラスチック瓶又は、袋に充填機(17)によって充填してラベルを張器で張合わせて包装機で包装して出荷する。円盤状の成型は、一般的方法で成型加工する。

【図2】は造粒田七加工品の正面図を示している。

【図3】は、造粒田七加工品のA-B切断縦断面図である。

【図4】は、造粒田七加工品の錠剤の正面図である。この健食田七加工品の配合例を示すと、次の如くである。

【例1】 血液浄化用	
	100部
	100部
	200部
	2部

3

【例2】	血行用	スターチ	1. 2部
		キトサンコラーゲン粉	5部
【例3】	肝臓障害、胃腸、減肥用	田七粉	100部
		ギムネマ茶粉	100部
		杜中茶粉	100部
		糖密液	10部
【例4】	眠気覚まし用	田七粉	70部
		神女茶粉又はプアール茶粉田七花茶粉	100部
		黄ハダ	40部
		甘草液糖密ブドウ糖	5部
		澱粉又はアルギン酸ソーダー	1. 3部
【例5】	夜間作業用	田七粉	100部
		キトサン乳酸ペースト	30部
		メントール	0. 1部
		甘草ブドウ糖混合液	200部
		田七茶粉アマチャズル茶粉	30部
		プアール茶粉杜中茶粉	70部
		アルギニン酸ソーダー	1部
		アミノ酸コラーゲン粉	0. 1部
		田七粉	100部
		杜中茶紅茶粉	100部
【例6】	癌用痛み止め	キトサン等の有機酸	50部
		澱粉	5部
		甘草アミノ酸香辛料(メントール)	100部
		ビタミン糖密又は澱粉マンナン	3部
		メントール	0. 1部
		インスタントコーヒー粉	0~10部
		田七粉	100部
		甘草粉液	50部
		杜中茶粉神女茶粉	10部
		苔粉	5部
【例7】	健胃腸用(顆粒状真空密封)	バンザクロ液	60部
		タングステン酸塩	0. 1~10部
		糖密又はブドウ糖	10部
		キトサン有機酸焦没酸タンニン液又は黄ハダ	3部
		田七粉	20部
		乾燥生乳酸(桿菌)菌粉末	100部
		キトサン粒糖顆粒アマチャズル茶粉田七茶粉	10部
		炭酸カルシウム(サンゴ礁化石)	30部
		ブドウ糖カッコン糖	10部
		香辛料アミン酸	1部
【例8】	制癌用	アルコール抽出粕人参粉	20部
		菊花粉	1部

5

田七粉  
マコモ粉  
ギムネマ茶粉又は杜中茶プアール茶粉  
果実酵素粉  
甘草液バンザクロ液  
澱粉マンナンキトサン  
タングステン酸塩  
アルギニン酸ソーダー液

6

100部  
100部  
100部  
1部  
300部  
10部  
5部  
10部

## 【例9】 制癌用

田七粉  
杜中茶粉プアール茶粉  
クマ笹(竹水180℃加熱抽出液)  
甘草液ブドウ糖液  
タングステン酸塩モリブデン酸塩  
アミノ酸香辛料  
モノボリス液

100部  
150部  
100部  
100部  
0.1~10部  
3部  
10部

## 【例10】 血液浄化剤

田七粉  
シャクナゲ粉  
神女茶杜中茶粉  
田七花茶粉  
生花粉  
甘草粉バンザクロ茶液  
ビタミンEDCBB2B6  
酢酸又キトサン液3%  
カクコン糖澱粉香辛料アミノ酸  
アルギニン酸ソーター

100部  
10部  
50部  
20部  
1部  
120部  
0.02部  
1部  
5部  
1部

【例10】は、高血圧の癌の人に対して効果があり、血行を良くする減肥性である。一般にシャクナゲ花粉は血圧低下剤となるが、トキシシンが存在するのでシャクナゲ根粉と併用して使用する花粉は精神安定剤として効果があり、田七粉過剰服用に対して抑制効果がある。

## 【例1】

【例2】は、血液浄化用として血糖値悪性コレステロールを低下し正常化する効果があり、黒色球状又は円盤状\*

沙仁 2500g  
甘草 3500g  
金銀花 1000g  
白羊花 2000g  
茉莉花 8000g  
杏仁 1000g  
欖核 1500g  
波叶 500g

\*に成型加工して市販する。之等は、前述の

【図1】の工程に従って加工される。1粒0.5~1gである。これを1回3粒1日3回服用する時は20~30日で血液は正常化する。又、田七粉の重金属は杜中茶粉や他の茶粉によって低量化され農薬使用の少ないプアール茶や杜中茶は農薬濃度を低減せしめる効果がある。

【例3】の神女茶の成分表は次の如くである。

山溶叶 3000g  
蜜休 500g  
罗汉果 200g  
佛手 1000g  
菊花 4000g  
庵姐 1000g  
参叶 2300g  
米羊花 5000g  
天花粉 1000g

この漢方薬を石臼で摺りつぶして微粉化した300~700メッシュの粉体を作り、これを混合する。プアール茶は、中国雲南省産のものを使用した1粒0.2gとして成型したもので、日に6~8個服用した減肥効果は3ヶ月の服用で1~3kgの減量を示し、胃潰瘍にも効果があり肝臓にも効果がある。

※50

【例4】は、自動車運転者や夜間勤務の人や酒酔覚ましとして効果がある。一般の眠気覚ましは、メントールメントン、チュウインガムやメンソレータムの様な塗布剤があるが、之等は充分な目覚ましとはならないが本法のものは約10分間で効果が発揮され持続性が3gで5時間くらいは効果があり、これを繰返して飲む時は持続性

が高くなる。

【例5】は、変形として田七粉3gをコーヒー乳液、甘味料中に投入したコーヒー液を飲む時も同様に眠気覚ましとなる。酒酔には、6粒3gくらい服用すれば約15分で眠気が醒めるがアルコールを分解するには、これに1gの肉桂皮粉や0.1gの梅種子の実粉中のベンツアルデヒドを添加すると分解が早くなる。

【例6】は、制癌用に作ったもので主として前立腺、胃腸、脾臓、腎臓、肝臓癌の予防に効果がある。この効果は特に痛み止めとして特徴があり、3ヶ月服用で痛みは軽減する。

【例7】は、健胃腸薬として効果があり、

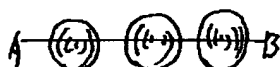
【例8】は、乳癌用として有効であり3g粒を1日3回服用する時は、6ヶ月目くらいから効果が発揮される。

【例9】は、大腸菌に良く効き出血が自然に停止する。

【例8】

【例9】に果実酵素を入れる時は、より効果的となる。又、このモノボリスは蜂巢をアルコールで高圧処理した抽出液を水で稀釈して使用したもので、ビタミンCの安定剤に役立ち、ビタミンの添加を容易にする効果があり、タングステン酸塩はその毒性に於いて、毎日3g服用して80才になるまで連続40～60年服用した人でも毒性が無く癌にならない利点の実証されている。又、血圧の変化も少ない特徴がある。この様にこの発明の特徴は、一般の田七粉には農薬汚染や重金属過多による規制外条件を満たすには之等の成分を減少せしめる必要が

【図2】



あるが、一般に6年草根の長期間の土中栽培ではこの制限する事は困難であり、この為減量法としては血行性を促進し、制癌性を共に保有する特徴のある成分して杜中茶、神女茶、プアール茶、ギムネマ茶等の酵素茶粉を添加する事によって健康食品として規制量の減量を促進せしめる事が可能となり、特に血液の浄化剤として効果があり、又、飲酒や夜勤者の眠気ざましや、疲労回復に役立ち自動車の安全運転に役立ち、又、殺菌効果のある田七粉は飲みにくいので増量によってその苦みを抑制する

10 田七加工品とする事によって、自動車運転や夜勤者の居眠りを服用によって抑制するから、その持続性も高くなり特に夜勤者の生産製品検査に対する眼の疲れを一掃する効果がある。又、田七粉の過剰服用による睡眠不足も生じない利点があり、この場合花粉やローヤルゼリー加工品との併用は精神安定化に役立ち安眠化する特徴がある。又、田七粉自体は、制癌性があるが他の茶粉や笹竹高圧水処理液、タングステン酸塩を併用する事によってより効果が増大するから今後の健康食品の田七加工品は、産業上有用な発明である。

20 【図面の簡単な説明】

【図1】 健食田七混合物造粒加工品の工程図

【図2】 健食田七加工の粒子球体の正面図

【図3】 健食田七加工の粒子球体のA-B切断縦断面図

【図4】 健食田七加工品の錠剤の正面図

【図3】



【図4】



【図1】

